

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"5309228".pn. and edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:13
L2	0	"5309228".pn. and map\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:13
L3	0	"5309228".pn. and connectiv\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:13
L4	2	"5767978".pn. and edge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:14
L5	0	"5767978".pn. and (edge with map\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:13
L6	0	"5767978".pn. and (size near3 edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:16
L7	5	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:42
L8	2	"6697535".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:21
L9	5	7 and (detect\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:30
L10	2	9 and (connectiv\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:25
L11	1	7 and (dimension\$5 with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:26

L12	5	7 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:26
L13	2	"5309228".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:30
L14	0	13 and (detect\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:30
L15	0	13 and (edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:30
L16	0	13 and (sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:32
L17	1	7 and (mid-segment\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:33
L18	0	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (middle with (segment\$5 or line))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:35
L19	2	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (mid with (segment\$5 or line))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:37
L20	4	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (overlap\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:38
L21	4	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (edge with hough)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:39
L22	1	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (render\$5 with line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:39

L23	1	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (render\$5 with hough)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:39
L24	1	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (render\$5 same hough)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:39
L25	2	(hough near5 space) and (edge with map\$5) and (parallel with line) and (histogram) and (render\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:39
L26	25	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (parallel with line) and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:43
L27	1	26 and (render\$5 with line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:43
L28	6	26 and (render\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:43
L29	7	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (parallel with line) and (histogram) and connectivi\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:45
L30	2	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (parallel with line) and (histogram) and (connectivi\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:52
L31	2	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (parallel with line) and (histogram) and (connectivi\$5 same edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:44
L32	7	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (connectivi\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:49
L33	20	(hough near5 (space or transform\$5 or conver\$5)) and (connectivi\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:51

L34	99	(hough near5 (space or transform\$5 or conver\$5)) and (edge with map\$5) and (detect\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:53
L36	8	34 and (((two or "2") adj4 (dimension\$5 or d)) with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:53
L37	1	36 and (connectiv\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:53
L38	5	36 and (size with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 12:53

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	979	(color near3 image near4 segment\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 12:59
L9	8	8 and (((two or "2") adj2 dimensional\$5) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:00
L10	5	9 and (normaliz\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:01
L11	2	9 and (normaliz\$6 same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:20
L12	57	8 and (edge with map\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:20
L13	3	8 and ((edge with map\$5) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:21
L14	13	(edge with map\$5) and ((two or "2") adj3 (dimensional\$5 or d) near3 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:22
L15	1	14 and connectiv\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:22
L16	1	14 and (detect\$5 near5 (small or tiny) near3 edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:24
L17	57	(connectiv\$5 near3 analysis with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:25
L18	1	17 and (color near3 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:24

L19	34	17 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:25
L20	30	19 and color	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:25
L21	3	((connectiv\$5 near3 analysis with edge) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:26
L22	34	((connectiv\$5 near3 analysis with edge) and histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:27
L23	2	((connectiv\$5 near3 analysis with edge) and histogram) and (edge with map\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:35
L24	3	(hough near3 parametric\$5 near3 space)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:36
L25	177	(hough near3 space)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:36
L26	28	25 and (conver\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:36
L27	6	26 and (overlap\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:38
L28	2	26 and (render\$5 with line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:41
L29	59	((conver\$5 or transform\$5) with edge with Hough with space)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:41

L30	3	29 and (render\$5 with line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:42
L31	10	29 and (render\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:46
L32	1	29 and (render\$5 with edge)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:42
L33	0	keitoku-ikeguchi.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:47
L34	28	ikeguchi-keitoku.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/05 13:47

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L53	77	((three or "3") adj2 dimension\$5) near4 histogram) and (((two or "s") adj2 dimension\$5) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:21
L54	2	53 and (detect\$5 near5 segment\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:20
L55	60	53 and (detect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:20
L56	2	55 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:20
L57	1	(estimat\$5 near5 (((three or "3") adj2 dimension\$5) near4 histogram) with (((two or "s") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:23
L58	1	((estimat\$5 or determin\$5 or calculat\$5) near5 (((three or "3") adj2 dimension\$5) near4 histogram) with (((two or "s") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:38
L59	1	((estimat\$5 or determin\$5 or calculat\$5) near5 (((three or "3") adj2 dimension\$5) near4 histogram) same (((two or "s") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:24
L60	5	((estimat\$5 or determin\$5 or calculat\$5) near5 (((three or "3") adj2 dimension\$5) near4 histogram) and (((two or "s") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:26
L61	1	((estimat\$5 or determin\$5 or calculat\$5) near5 (((three or "3") adj2 dimension\$5) near4 histogram) with (((two or "2") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:24
L62	1	((estimat\$5 or determin\$5 or calculat\$5) near5 (((two or "2") adj2 dimension\$5) near4 histogram) same (((three or "3") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:26

L63	1	((estimat\$5 or determin\$5 or calculat\$5 or predict\$5 or interpolat\$5) near5 (((two or "2") adj2 dimension\$5) near4 histogram) same (((three or "3") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:30
L64	62	(((two or "2") adj2 dimension\$5) near4 histogram) same (((three or "3") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:27
L65	2	64 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:28
L66	1	((estimat\$5 or determin\$5 or calculat\$5 or predict\$5 or interpolat\$5) near5 (((two or "2") adj2 (d or dimension\$5)) near4 histogram) same (((three or "3") adj2 (d or dimension\$5)) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:32
L67	109	(estimat\$5 or determin\$5 or calculat\$5 or predict\$5 or interpolat\$5) near5 (((two or "2") adj2 (d or dimension\$5)) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:36
L68	6	67 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:36
L69	0	68 and (((three or "3") adj2 (d or dimension\$5)) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:37
L70	22	67 and (((three or "3") adj2 (d or dimension\$5)) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:41
L71	0	((conver\$6) near5 (((three or "3") adj2 dimension\$5) near4 histogram) with (((two or "2") adj2 dimension\$5) near4 histogram))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:39
L72	7	(conver\$6) near5 (((three or "3") adj2 dimension\$5) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:39

L73	21	(conver\$6) near5 (((two or "2") adj2 dimension\$5) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:40
L74	0	73 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 15:40
L75	11	73 and (((three or "3") adj2 (d or dimension\$5)) near4 histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:09
L76	2	"5309228".pn. and dimension\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:10
L77	2	"5309228".pn. and (dimension\$5 with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:11
L78	2	"5309228".pn. and (dimension\$5 with histogram three)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/04 16:11

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	37610	(graphic near3 image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:23
L2	95	1 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:42
L3	4	2 and (non-sweep\$5 or (non near3 sweep\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:27
L4	15	2 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:30
L5	13	2 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:30
L6	2	1 and ((histogram) near6 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L7	47	((histogram) near6 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L8	4	7 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L9	3805	1 and ((determin\$6 or detect\$5 or segment\$5) near4 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:07
L10	3479	1 and ((determin\$6 or detect\$5) near4 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:03
L11	828	10 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:03

L12	329	1 and ((determin\$6 or detect\$5) near4 (sweep\$5 or edge or boundar\$5) near6 color)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18
L13	111	12 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L14	64	13 and ("358".clas. or "382".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:07
L15	9	14 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:08
L16	12	13 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:11
L17	15	12 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:14
L18	7	17 and histogram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:15
L19	5	17 and (histogram same CIEluv)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L20	1863	1 and ((sweep\$5 or edge or boundar\$5) near6 color)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18
L21	888	20 and ((sweep\$5 or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18
L22	892	20 and ((sweep\$5 or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18

L23	5	22 and (histogram same CIEIuv)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L24	203	22 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L25	62	24 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:49
L26	8	25 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:41
L27	227	(prabhakar-salil.in. or bala-raja.in. or cheng-hui.in. or handley-john.in. or handley-john-c.in. or lin-ying-wei.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:42
L28	2	27 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:43

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L1	37610	(graphic near3 image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:23
L2	95	1 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:42
L3	4	2 and (non-sweep\$5 or (non near3 sweep\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:27
L4	15	2 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:30
L5	13	2 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:30
L6	2	1 and ((histogram) near6 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L7	47	((histogram) near6 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L8	4	7 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 12:41
L9	3805	1 and ((determin\$6 or detect\$5 or segment\$5) near4 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:07
L10	3479	1 and ((determin\$6 or detect\$5) near4 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:03
L11	828	10 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:03

L12	329	1 and ((determin\$6 or detect\$5) near4 (sweep\$5 or edge or boundar\$5) near6 color)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18
L13	111	12 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L14	64	13 and ("358".clas. or "382".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:07
L15	9	14 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:08
L16	12	13 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:11
L17	15	12 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:14
L18	7	17 and histogram	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:15
L19	5	17 and (histogram same CIEluv)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L20	1863	1 and ((sweep\$5 or edge or boundar\$5) near6 color)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18
L21	888	20 and ((sweep\$5 or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:58
L22	892	20 and ((sweep\$5 or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:18

L23	5	22 and (histogram same CIEluv)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L24	203	22 and (histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:19
L25	62	24 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:00
L26	8	25 and "358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:41
L27	227	(prabhakar-salil.in. or bala-raja.in. or cheng-hui.in. or handley-john.in. or handley-john-c.in. or lin-ying-wei.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:42
L28	2	27 and ((determin\$6 or detect\$5 or segment\$5) near4 sweep\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 13:43
L30	137	(graphic near4 imag\$5) and (((sweep or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5)) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:09
L31	76	30 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:10
L32	1063	((sweep or edge or boundar\$5) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5)) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:55
L33	353	32 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:13
L34	60	33 and (color near6 conver\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:12

L35	80	32 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5) with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:16
L36	1	35 and (cieluv or (cie near3 luv))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:22
L37	8	32 and (cieluv or (cie near3 luv))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:22
L38	1063	((sweep or edge or boundar\$5 or (uniform\$4 near3 color near3 (chang\$4))) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5)) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:56
L39	2	((sweep or edge or boundar\$5 or (uniform\$4 near3 color near3 (chang\$4))) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5)) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 14:57
L40	10	same (uniform\$4 near3 color near3 (chang\$4))				
L41	1102	((sweep or edge or boundar\$5 or (uniform\$4 near3 color near3 (chang\$4))) near6 (detect\$5 or determin\$6 or judg\$5 or discriminat\$5)) same histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:15
L42	84	41 and ((segment\$5 or group\$5 or regroup\$5 or re-group\$5 or separat\$5) near5 (sweep\$5 or edge or boundar\$5 or (chang\$3 near4 color)) with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:33
L43	12	42 and (color near4 chang\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:38
L44	0	43 and luv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:38

L45	1	43 and cieluv	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:38
L46	9	42 and ((two or "2" or three or "3") near3 dimension\$5 with histogram)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/02 15:40

[◀ Back to Previous Page](#)**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard

1 A hierarchical approach to color image segmentation using homogeneity*Heng-Da Cheng; Ying Sun;*

Image Processing, IEEE Transactions on , Volume: 9 , Issue: 12 , Dec. 2000

Pages:2071 - 2082

IEEE JNL

2 Color image adaptive segmentation based on rival penalized competitive learning*Cheng-Wan An; Gui-Zhi Li; Guo-Sheng Yang; Min Tan;*

Machine Learning and Cybernetics, 2004. Proceedings of 2004 International Conference on , Volume: 4 , 26-29 Aug. 2004

Pages:2558 - 2562 vol.4

IEEE CNF

3 Segmenting color images using normalized deviation body reflectance*Lifeng Liu; Guangyou Xu;*

Systems, Man, and Cybernetics, 1996., IEEE International Conference on , Volume: 1 , 14-17 Oct. 1996

Pages:487 - 492 vol.1

IEEE CNF

4 An image segmentation method based on a color space distribution model*Aizu, M.; Nakagawa, O.; Takagi, M.;*

Data Compression Conference, 1995. DCC '95. Proceedings , 28-30 March 1995

Pages:439

IEEE CNF

5 Results using random field models for the segmentation of color images of natural scenes*Panjwani, D.; Healey, G.;*

Computer Vision, 1995. Proceedings., Fifth International Conference on , 20-23 June 1995

Pages:714 - 719

IEEE CNF

6 Improved techniques for automatic image segmentation*Hai Gao; Wan-Chi Siu; Chao-Huan Hou;*

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 11 , Issue: 12 , Dec. 2001

Pages:1273 - 1280

IEEE JNL

7 Towards physics-based segmentation of photographic color images*Luo, J.; Gray, R.T.; Hsien-Che Lee;*

Image Processing, 1997. Proceedings., International Conference on , Volume: 3 , 26-29 Oct. 1997

Pages:58 - 61 vol.3

IEEE CNF

8 Fuzzy-based segmentation of color natural images*Xiaoyan Dai; Maeda, J.;*

Signal Processing, 2002 6th International Conference on , Volume: 2 , 26-30 Aug. 2002

Pages:969 - 972 vol.2

IEEE CNF

9 Fuzzy based unsupervised segmentation of textured color images*Xiaoyan Dai; Maeda, J.;*

Image Processing. 2002. Proceedings. 2002 International Conference on , Volume: 3 , 24-28 June 2002

Pages:III-293 - III-296 vol.3

IEEE CNF

10 A parallel color algorithm for segmenting images of 3-D scenes*Healey, G.;*

Multidimensional Signal Processing Workshop, 1989., Sixth , 6-8 Sept. 1989

Pages:77

IEEE CNF

11 The use of visible color difference in the quantitative evaluation of color image segmentation*Hsin-Chia Chen; Sheng-Jyh Wang;*

Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). IEEE International Conference on , Volume: 3 , 17-21 May 2004

Pages:iii - 593-6 vol.3

IEEE CNF

12 Color distance histogram: a novel descriptor for color image segmentation*Kai-Kuang Ma; Junxian Wang;*

Control, Automation, Robotics and Vision, 2002. ICARCV 2002. 7th International Conference on , Volume: 3 , 2-5 Dec. 2002

Pages:1228 - 1232 vol.3

IEEE CNF

13 Object contour extraction using color and motion*Dubuisson, M.-P.; Jain, A.K.;*

Computer Vision and Pattern Recognition, 1993. Proceedings CVPR '93., 1993 IEEE Computer Society Conference on , 15-17 June 1993

Pages:471 - 476

IEEE CNF

14 Segmentation of color textures

Mirmehdi, M.; Petrou, M.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 22 , Issue: 2 , Feb. 2000

Pages:142 - 159

IEEE JNL

15 Color based video segmentation using level sets

Harper, P.; Reilly, R.B.;

Image Processing, 2000. Proceedings. 2000 International Conference on , Volume: 3 , 10-13 Sept. 2000

Pages:480 - 483 vol.3

IEEE CNF

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3745	358/1.9,522,523.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 18:53
L2	5153	382/199,168-172,164,173,180,181,194.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 18:54
L3	9	(1 or 2) and (image with segmentation) and (("2" or two) adj3 dimension\$5 adj4 histogram) and (edge with detect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/06 18:55

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